

ID	AREA_NAME	RIVER_DESC	RIVERSIDE	RIVERMILE
5	2E	RM 2.7 EAST	EAST	2
1	2A		WEST	2
4	2D		EAST	2
2	2B		EAST	2
14	5D		EAST	5
19	5J		MIDDLE	5
23	6G	6.4-6.6	EAST	6
44	11C	RM 11.5 WEST MIDDLE CHANNEL	MIDDLE	11
43	11B	RM 11.4 WEST SHORE	WEST	11
42	11A	11.1 WEST SHORE	WEST	11
41	10G	RM 10.9 WEST	WEST	10
40	10F	RM 10.7 WEST COVE	WEST	10
39	10D	10.5 WEST	WEST	10
38	10E	10.6 MIDDLE	MIDDLE	10
37	10C	10.5 EAST	EAST	10
32	8L	8.9 EAST	EAST	8
34	9C	RM 9.7	WEST	9
31	8J	8.55-8.65	WEST	8
28	8B	RM 8.0-8.3	EAST	8
29	8A	RM 8.2-9.1	EAST	8
26	7B	RM 7.3-7.5	EAST	7
22	6E	RM 6.1-6.6	WEST	6
20	5K	RM 5.9-6.1	EAST	5
21	6A	RM 5.9-6.1	WEST	6
18	5H	5.8-5.9	WEST	5
16	5F	RM .5-5.8	EAST	5
17	5G	5.6-5.7	WEST	5
15	5E	RM 5.54-5.55	WEST	5
13	5C		WEST	5
12	5A	RM 5.0-5.2	WEST	5
11	4E	RM 4.8-5.0	WEST	4
10	4C	RM 4.45-4.7	WEST	4
9	4A	RM 4.0-RM 4.4	WEST	4
8	3C	RM 3.8	WEST	3
3	2C	RM 2.1-2.4	EAST	2
7	3B	RM 3.7-3.8	EAST	3
36	10A	10.2 WEST	WEST	10
0	2F	RM 2.85	EAST	2
0	4D	RM 4.6	MIDDLE	4
0	5B		EAST	5
0	6C	RM 6.1 EAST	EAST	6
0	6F	RM 6.3	EAST	6
0	7A	RM 7.25	MIDDLE	7
0	7C	RM 7.55 MIDDLE	MIDDLE	7
0	7D	RM 7.6 EAST	EAST	7
0	7G	RM 7.9 MIDDLE	MIDDLE	7
0	8C	RM 8.1-8.3	WEST	8
0	8E	RM 8.3 MIDDLE CHANNEL	MIDDLE	8
0	8H	RM 8.6 EAST	EAST	8
0	9B	RM 9.2 - 9.6	WEST	9
0	9A	RM 9.1 EAST	EAST	9

0 10B	10.4 WEST	WEST	10
0 10H	10.9 EAST	EAST	10
0 6B	RM 6.1 MIDDLE CHANNEL OFF GASCO	MIDDLE	6
0 10J	RM 11 WEST SHORE	WEST	10
0 10K	10.0-10.2	EAST	10
0 9D	9.7-10.0 EAST	EAST	9
0 8M	RM 8.85-9.2 WEST	WEST	8
0 8K	RM 8.75-8.85	WEST	8
0 3A UPSTREAM	RM 3.8-4.2	EAST	3
0 3A DOWNSTREAM	RM 3.3-3.8	EAST	3
0 4B	RM 4.2-4.8	EAST	4
0 7AA	RM 6.9-7.1	EAST	7
0 7AB	RM 7.2	EAST	7
25 6JB	RM 6.6-7.5	WEST	7
25 6JA	RM 6.6-7.5	WEST	7
24 6H	RM 6.6-6.8	EAST	6
0 8D	RM 8.3-8.35 WEST	WEST	8
0 8G	OFFSHORE RM 8.2-8.6	WEST	8
27 7F	RM 7.5-7.8	WEST	7

SITE_DESCR

OF53A

OF49

UNDERNEATH BROADWAY BRIDGE

OF11

OF12

D/S OF OF14

OF46

OF16; OF17; FIREBOAT COVE

CASCADE SHIPYARD

LAGOON

TRIANGLE PARK

GASCO

CITY OF PORTLAND/BES; OF50

MOORINGS

HENDREN TOW BOATS

MARCOM; OF52

PAH SMEAR- HIGH TOTAL PAHS

FOSS MARITIME/BRIX

MOBIL

ARCO

COLUMBIA RIVER SAND AND GRAVEL

KINDER MORGAN/RK STORAGE

LINNTON

OSM

INTERNATIONAL

SEVERAL SURFACE SEDIMENT

ONE STATION

MIDDLE OF CHANNEL

OF15

POTENTIALLY INCLUDE IN GASCO?

OF13

GOLDENDALE ALUM.

OF47

GUNDERSON

TEXACO

TIME OIL

BOUNDARY AND OFFSHORE T4

OFFSHORE MC&BAX

OF48

ARKEMA

D/S ARKEMA SILTRONICS TO BRIDGE

WILAMETTE COVE

OF19; OF19A

WILBRIDGE

COMMENT

LIKELY NO ACTION; ADEQUATELY CHARACTERIZED
ISOLATED- NO ACTION

NO ACTION
NO FURTHER ACTION
NOT SURE
LRM ONLY; BOTH MODELS CADMIUM
MODEL AGREEMENT
UNBOUNDED SITE
AGREEMENT LRM/FPM; NEARBY 10F DOWNSTREAM; UNBOUNDED OFFSHORE
AGREEMENT LRM/FPM; UNBOUNDED
AGREEMENT LRM/FPM
AGREEMENT LRM/FPM; CONSIDER OTHER LINES OF EVIDENCE (TZW?)
AGREEMENT LRM/FPM, MAY BE SOURCE CONTROL ISSUE; STORMWATER SAMPLING MAY INFORM
NO AGREEMENT;
NEARSHORE CHARACTERIZED;
AGREEMENT; OFFSHORE POORLY BOUNDED;
SIGNIFICANT MODEL AGREEMENT; BIOASSAY TOXICITY
COMPLEX RELATIONSHIP BETWEEN MODEL AGREEMENT AND BIOASSAY. OUTFALL SOURCES
NO CONCORDANCE; STRONG HYALELLA GROWTH; NOTED TBT AS COI. CONFIRMATION BIOASSAY AND
UNBOUNDED OFFSHORE

NO BIOASSAY DATA; NO BOUNDING DOWNSTREAM
MIXED CASE; TOX?
OFFSHORE BOUNDING; LACK OF CONCORDANCE. BIOASSAY UPSTREAM (OF 52)
BIOASSAYS
UNBOUNDED OFFSHORE
NO ACTION
UNBOUNDED OFFSHORE: BIOASSAY & SURF. SED.
POTENTIAL OFFSHORE; MAYBE WELL CHARACTERIZED
OFFSHORE BOUNDING; SOME MODEL AGREEMENT, SOME DISCORDANCE
MODEL AGREEMENT; PERHAPS ADEQUATELY CHARACTERIZED- MOVE FORWARD.
MODEL AGREEMENT; PERHAPS ADEQUATELY CHARACTERIZED- MOVE FORWARD.
UPSTREAM- UNBOUNDED; MAY INCLUDE OFFSHORE 2B AND 2D
UNBOUNDED BIOASSAY; CORNER MOVES FORWARD
NOT STRONG INDICATION
NO ACTION
NO ACTION
NO ACTION
SOME MODEL AGREEMENT; APPEARS CHARACTERIZED/BOUNDED
MODEL AGREEMENT; UNLESS OTHER LINES OF EVIDENCE, NO FURTHER ACTION
LRM
MODEL AGREEMENT;
LRM ONLY
LRM ONLY; MAY BE PART OF SHIPYARD?
SOME AGREEMENT NEARSHORE- NOT AGREEMENT OFFSHORE;
MIDDLE OF CHANNEL

4 OFFSHORE AGREEMENT; NO BIOASSAY; CLAM NEARSHORE RM 9.3

NOT STRONG INDICATION

APPEARS BOUNDED

4 WITHIN TO CONFIRM MODELS, 4 OUTSIDE TO BOUND (8 BIO; 12 SED)

MOSTLY MODEL AGREEMENT

AGREEMENT; DECENT COVERAGE BUT GAPS REMAIN.

STRONG AGREEMENT; OFFSHORE POORLY BOUNDED;

UNBOUNDED

UNBOUNDED- MORE BIOASSAY

NOT MUCH TOX OR SEDIMENT; FILL SPATIAL COVERAGE GAP WITH SEDIMENT/TOX

NO MODEL CONCORDANCE OR BIOASSAY OR BOUNDING OFFSHORE CAP

BOUNDED?

ARKEMA AND AREA UNDER BRIDGE/DOWNSTREAM: MODEL AGREEMENT/BIOASSAY NOT AGREEMENT.

ARKEMA AND AREA UNDER BRIDGE/DOWNSTREAM: MODEL AGREEMENT/BIOASSAY NOT AGREEMENT.

MUCH AGREEMENT, BIOASSAY/SEDIMENT BOUNDING/DOWNSTREAM TO CONFIRM & SURF SED.

STRONG MODEL AGREEMENT NEARSHORE;

AGREEMENT; AMMONIA IN MODELS

MUCH AGREEMENT WITH MODELS & BIOASSAY BUT MISSING BIOASSAY FOR AGREEMENT AND SEDIMENT

POTENTIAL_	FPM	LRM	SEDCEM	TISSUE	BIOASSAY_P
	YES	YES	0.00000000000		YES
			0.00000000000		
			0.00000000000		
			0.00000000000		
			0.00000000000		
	YES	NO	0.00000000000		YES
OUTFALL	YES	YES	0.00000000000		YES
	NO	YES	0.00000000000		NO
OUTFALL 11	YES	YES	0.00000000000		NO
OUTFALL SOURCE, OTHER SOURCES?	YES	YES	0.00000000000		NO
	YES	YES	0.00000000000		NO
	YES	YES	0.00000000000		NO
	YES	YES	0.00000000000		NO
NO KNOWN SOURCE	YES	YES	0.00000000000		NO
	YES	YES	0.00000000000		NO
OUTFALLS?	YES	YES	0.00000000000		NO
	YES	YES	0.00000000000	CLAM	YES
OUTFALLS	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
) BOUNDING	NO	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	MIXED	YES	0.00000000000		
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
			0.00000000000		
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		
			0.00000000000		
			0.00000000000		
			0.00000000000		
	YES	YES	0.00000000000		YES
	YES	YES	0.00000000000		
	NO	YES	0.00000000000		
	YES	YES	0.00000000000		NO
	NO	YES	0.00000000000		NO
	NO	YES	0.00000000000		NO
	YES	YES	0.00000000000		NO
			0.00000000000		
	NO	YES	0.00000000000		
	YES	YES	0.00000000000	CLAM	NO
	NO	YES	0.00000000000		NO

	YES	NO	0.00000000000	
	NO	YES	0.00000000000	NO
	YES	YES	0.00000000000	
	NO	YES	0.00000000000	NO
	NO	YES	0.00000000000	NO
	YES	YES	0.00000000000	NO
OUTFALLS	YES	YES	0.00000000000	YES
OF18	YES	YES	0.00000000000	YES
			0.00000000000	
			0.00000000000	
T4	YES	YES	0.00000000000	NO
	NO	YES	0.00000000000	
OUTFALL	YES	YES	0.00000000000	NO
POTENTIAL GW. SEPARATE (SEE NOTE	YES	YES	0.00000000000	YES
POTENTIAL GW. SEPARATE (SEE NOTE	YES	YES	0.00000000000	YES
	YES	YES	0.00000000000	YES
OUTFALLS	YES	YES	0.00000000000	NO
	YES	YES	0.00000000000	
ENT FOR COVERAGE/BOUNDING	YES	YES	0.00000000000	YES

BIOASSAY_R	COURSE_OF_	RATION_1
MIXED	AREA OF INTEREST	
	NO ACTION	
	NO ACTION	
	NO ACTION	
	NO ACTION	
NOT TOXIC	POTENTIAL DATA GAP	
NO	POTENTIAL DATA GAP	
	NO ACTION	LIMITED COVERAGE
	NO ACTION	LIMITED COVERAGE
	POTENTIAL DATA GAP	LIMITED COVERAGE
	NO ACTION	LIMITED COVERAGE
	POTENTIAL DATA GAP	LIMITED COVERAGE
	POTENTIAL DATA GAP	LIMITED COVERAGE
	AREA OF INTEREST	LIMITED COVERAGE
	POTENTIAL DATA GAP	
	NO ACTION	
TOXIC	POTENTIAL DATA GAP	
TOXIC	POTENTIAL DATA GAP	
TOXIC	POTENTIAL DATA GAP	LACK
MIXED	AREA OF INTEREST	REASONABLE
TOXIC	POTENTIAL DATA GAP	MISSING AREA
TOXIC	POTENTIAL DATA GAP	
NOT TOXIC	AREA OF INTEREST	
	POTENTIAL DATA GAP	
YES	POTENTIAL DATA GAP	
MIXED	POTENTIAL DATA GAP	
NO	POTENTIAL DATA GAP	
YES	POTENTIAL DATA GAP	
	NO ACTION	
TOXIC	AREA OF INTEREST	
TOXIC	AREA OF INTEREST	
NO	UNSURE	
TOXIC	AREA OF INTEREST	
	AREA OF INTEREST	
	POTENTIAL DATA GAP	
	AREA OF INTEREST	
	NO ACTION	
	NO ACTION	
	NO ACTION	
	NO ACTION	
MIXED	AREA OF INTEREST	
	NO ACTION	
	NO ACTION	
	NO ACTION	
	NO ACTION	
	NO ACTION	
	POTENTIAL DATA GAP	LIMITED BETWEEN POINTS
	NO ACTION	
	NO ACTION	LACK OF COVERAGE
TOXIC	POTENTIAL DATA GAP	
	NO ACTION	

	NO ACTION	LIMITED COVERAGE
	NO ACTION	
	AREA OF INTEREST	
	NO ACTION	
	POTENTIAL DATA GAP	LIMITED OFFSHORE
	POTENTIAL DATA GAP	
TOXIC	POTENTIAL DATA GAP	
TOXIC	POTENTIAL DATA GAP	
	AREA OF INTEREST	
	POTENTIAL DATA GAP	NOT MUCH COVERAGE
	POTENTIAL DATA GAP	NOT MUCH COVERAGE
	POTENTIAL DATA GAP	
	AREA OF INTEREST	
	POTENTIAL DATA GAP	
	POTENTIAL DATA GAP	
TOXIC	POTENTIAL DATA GAP	
	POTENTIAL DATA GAP	
	POTENTIAL DATA GAP	LACK OF COVERAGE
	POTENTIAL DATA GAP	LACK OF COVERAGE

RATION_2

UNBOUNDED OFFSHORE

POTENTIALLY UNBOUNDED
POTENTIALLY UNBOUNDED
POTENTIALLY UNBOUNDED
UNBOUNDED OFFSHORE
UNBOUNDED OFFSHORE; D/S
UNBOUNDED OFFSHORE; D/S

UNBOUNDED
UNBOUNDED OFFSHORE
UNBOUNDED
UNBOUNDED
NOT FULLY CHARACTERIZED
BOUNDING
UNBOUNDED
UNBOUNDED DOWNSTREAM
UNBOUNDED

UNBOUNDED U/S; OFFSHORE
UNBOUNDED
UNBOUNDED OFFSHORE

UNBOUNDED

UNBOUNDED

UNBOUNDED

NO PROXIMATE DATA

UNBOUNDED

UNDEFINED EXTENT

UNBOUNDED

UNBOUNDED OFFSHORE; D/S OF EXISTING BIOASSAY

UNBOUNDED

NEAR CAP BOUNDARY

NEAR CAP BOUNDARY

NOT BOUNDED OFFSHORE

NOT BOUNDED OFFSHORE

UNBOUNDED

UNBOUNDED

UNBOUNDED

RATION_3

LACK OF MODEL CONCORDANCE
MODEL AGREEMENT; NO BIOASSAY

LACK OF MODEL CONCORDANCE; NO BIOASSAY
LACK OF MODEL CONCORDANCE; NO BIOASSAY OFFSHORE

LACK OF MODEL CONCORDANCE WITH AND WITHOUT BIOASSAY
LACK OF MODEL CONCORDANCE

MODEL AGREEMENT; BOUNDING LACK OF CONCORDANCE WITH BIOASSAY
LACK OF MODEL CONCORDANCE; NO BIOASSAY
MODEL AGREEMENT; LACK OF CONCORDANCE WITH 1 BIOASSAY

MODEL AGREEMENT; LACK OF CONCORDANCE WITH BIOASSAY

MODELS AGREE AND MIXED; LACK OF CONCORDANCE WITH BIOASSAY

LACK OF MODEL CONCORDANCE; NO BIOASSAY

MODEL AGREEMENT; NO BIOASSAY

LACK OF MODEL CONCORDANCE NO BIOASSAY

LACK OF CONCORDANCE WITH BIOASSAY; MODEL AGREEMENT NO BIOASSAY OFFSHORE

LACK OF MODEL CONCORDANCE; NO BIOASSAY
MODEL AGREEMENT; NO BIOASSAY

MODEL AGREEMENT; NO BIOASSAY
MODEL AGREEMENT; NO BIOASSAY

LABEL	BIO_NOAA	SED_NOAA	BIO_PROPOSED	SEDIMENT_PROPOSED
2E		0	0	
2A		0	0	
2D		0	0	
2B		0	0	
5D		0	0	
5J		1	3	
6G		2	3	
11C		0	0	
11B		0	0	
11A		2	3	
10G		0	0	
10F		3	4	
10D		2	3	
10E		0	0	
10C		0	3	
8L		0	0	
9C		1	3	
8J		0	3	
8B		4	8	
8A		0	0	
7B		3	3	
6E		4	7	
5K		0	0	
6A		3	3	
5H		1	4	
5F		3	5	
5G		2	4	
5E		0	4	
5C		0	0	
5A		0	0	
4E		0	0	
4C		3	3	
4A		0	0	
3C		0	0	
2C		2	5	
3B		0	0	
10A		0	0	
2F		0	0	
4D		0	0	
5B		0	0	
6C		0	0	
6F		0	0	
7A		0	0	
7C		0	0	
7D		0	0	
7G		0	0	
8C		3	4	
8E		0	0	
8H		0	0	
9B		5	7	
9A		0	0	

10B	0	0
10H	0	0
6B	0	0
10J	0	0
10K	3	3
9D	3	4
8M	4	5
8K	0	5
3A UPSTREAM	0	0
3A DOWNSTREAM	3	6
4B	5	10
7AA	3	2
7AB	1	0
6JB	5	7
6JA	2	6
6H	3	2
8D	1	2
8G	5	8
7F	4	6